

A RECIPROCATING FLUID TRANSFER PUMP

ABSTRACT OF THE DISCLOSURE

Provided is a reciprocating fluid transfer pump in which a pilot valve assembly block can be mounted to a main body block in a simple, easy and reliable manner without requiring particularly high level of machining precision for positioning the pilot valve assembly block relative to the main body block. In the reciprocating fluid transfer pump according to the present invention, a fluid-in-transfer once having been suctioned into a fluid delivering chamber 19 is discharged therefrom by causing effectively an expanding and contracting action of a barrier membrane 6 which is attached to either end of the center rod 5 capable of making reciprocating motion with respect to the main body block 2 and defines the fluid delivering chamber 19 and a driving chamber 21, wherein a peripheral portion of the barrier membrane 6 is clamped fixedly to the main body block 2 via a main ring 30, and a pilot valve assembly block 17 having an integrated pilot valve 16 for detecting the reciprocating motion of the center rod 5 is pressed against and thus fixedly secured to the main ring 30 via a sub ring 34.